

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

Please replace the second full paragraph on page 14, beginning at line 14 with the following amended paragraph:

In some embodiments, the pilot signal used by the overlay system 160 uses a longer Walsh sequence than the existing BTS. For example, in one embodiment, the pilot signal transmitted by the existing BTS 114 is 64 chips in length while the Walsh symbol used to transmit the pilot from overlay BTS 160 is 512 chips in length. The use of a more lengthy Walsh sequence allows for the generation of many more orthogonal pilot signals, thus, allowing auxiliary pilot channels to be assigned more often within a system. Additional information concerning auxiliary pilot channels can be found in U.S. Patent ~~Application~~ No. 6,285,655 entitled "Method and Apparatus for Providing Orthogonal Spot Beams, Sectors and Picocells" filed September 8, 1997 and issued to Lundby et al. on September 4, 2001, Serial No. 08/925,521 (the '521 application) which is assigned to the assignee hereof and incorporated herein in its entirety by reference. The '521 application describes a method and apparatus for providing additional pilot channels that has minimum impact on the number of available Walsh channels. The '521 application describes a method of concatenating combinations of a Walsh sequence and the complement of the Walsh sequence to provide an auxiliary pilot reference sequence.

Please replace the second full paragraph on page 14, beginning at line 14 with the following amended paragraph:

Figure 8 is a flowchart showing one embodiment of a load control mechanism according to the invention. In block 220, the existing base station 114 transmits a pilot signal and one or more information signals over the antenna 122 using the first CDMA channelization. In block 222, the sync unit 128 receives the pilot signal over the antenna 126 and determines a power level of the pilot signal. In block ~~[[124]]~~ 224, the overlay base station 118 transmits one or more information signals using the second CDMA channelization over antenna 122. In block 226, the

sync unit 128 receives the information signals transmitted using the first and second CDMA channelization over the antenna 126 and determines a power level of each of the information signals. In block 228, the sync unit 128 determines a level of loading based upon the power measurements. In an alternative embodiment, the determination of loading may be calculated within the overlay BTS 118 or at some other location. In block ~~[[130]]~~ 230, the level of loading is used to determine an admission criteria for the admission of additional signals transmitted from overlay BTS 118 using the second CDMA channelization.